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A LIST OF PUBLICATIONS ON JAPANESE TURBELLARIANS (1985) INCLUDING TITLES OF PUBLICATIONS ON FOREIGN TURBELLARIANS WRITTEN BY THE JAPANESE AUTHORS

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日本産渦虫類文献目録 (1985)
— 外国産渦虫類に関する邦人著作を含む —

川 勝 正 治 (編著)

INTRODUCTION

In a series of publications, of which this is the nineteenth, I have collected and classified chronologically the titles of papers and records with regard to our Turbellarians, which were published during the year 1985 (Part I). As usual I have added the English titles of Japanese papers which have none of any foreign language.

As the Part II of this publication, I have added an article entitled "Two Unpublished Graduation Theses on Freshwater Planarians".

July 1, 1986. Sapporo, Japan.

PART I

A LIST OF PUBLICATIONS ON JAPANESE TURBELLARIANS (1985)

Additional Key to the Japanese Journals
国内雑誌一覧表 (補遺)

Bulletin of the Marine Biological Station of Asamushi, Tōhoku University. Sendai.
大学と学生. 文部省. 東京. Daigaku-to-Gakusei. The Ministry of Education of Japan. Tōkyō.
ホルモンと臨床. 東京. Clinical Endocrinology (Horumon-to-Rinshō). Tōkyō.
神奈川県生物教育研究会 / 日本生物教育学会 神奈川県支部 会報. 横浜. Kanagawa-ken Seibutsu-kyōiku

Kenkyû-kai / Nihon Seibutsu-kyôiku Gakkai, Kanagawa Shibu, Kaihō. Yokohama.
 海洋と生物. 生物研究社. 東京. Aquabiology (Kaiyô-to-Seibutsu). Seibutsu-kenkyû-sha. Tôkyô.
 串本海中公園 マリン パビリオン. 串本海中公園センター. 和歌山県串本町 (坂本印刷株式会社).
 Marine Pavilion. Published by the Kushimoto Marine Park Center, Kushimoto-chō, Wakayama Pref.
 日本大学医学部図書館 (資料). 東京. MLNU Letters (Medical Library, Nihon University). Tôkyô.
 日本衛生動物学雑誌. 東京. The Japanese Journal of Sanitary Zoology. Tôkyô.
 日本プランクトン学会報. 東京. The Bulletin of Plankton Society of Japan. Tôkyô.
 Paulownia. 青森県立三戸高等学校 自然科学部機関紙. 三戸. Aomori-kenritsu San'nohe Kôtôgakkô
 Shizenkagaku-bu Kikan-shi. San'nohe, Aomori Pref.
 生物福岡. 福岡. Biologia Fukuokana (Seibutsu-Fokuoka). Fukuoka, Fukuoka Pref.
 植物防疫. 東京. Plant Protection (Shokubutsu-Bôeki). Tôkyô.
 東北の自然. 東北の自然社. 米沢. Tôhoku-no-Shizen. Tôhoku-no-Shizen-sha, Yonezawa, Yamagata Pref.

1935 (昭和10年)

Negishi, H. [Notes on *Caridinicola indica* Annandale found in the Hirosaki district, Aomori Prefecture].
 Botany & Zoology, 3: 1375-1376. (Jap.) 根岸 浩. *Caridinicola indica* は弘前地方にも産す. 植物及
 動物, 3巻, 1375-1376頁.

1951 (昭和26年)

Makino, S. Polycladida. In: An Atlas of the Chromosome Numbers in Animals, p. 10. Iowa State Col-
 lege Press, Ames, Iowa.

1964 (昭和39年)

Sandô, H. Faunal list of the *Zostera marina* region at Kugurizaka coastal waters, Aomori Bay. Bull. Mar.
 Biol. Stat. Asamushi, 12: 27-35.

1966 (昭和41年)

Kikuchi, T. An ecological study on animal communities of the *Zostera marina* belt in Tomioka Bay, Ama-
 kusa. Publ. Amakusa Mar. Biol. Lab., 1: 1-106.

1967 (昭和42年)

Yoshida, M. [Invertebrate photoreceptors]. In: S. Uchida (ed.), Kaiyô-dôbutsu Seiri (Kaiyôgaku-kôza),
 Kankaku, II, pp. 23 - 44. Tôkyô-daigaku Shuppan-kai, Tôkyô. (Jap.) 吉田正夫. 無脊椎動物の視覚.
 内田清一郎 編, 海洋動物生理 (海洋学講座), 感覚Ⅱ, 23-44頁. 東京大学出版会, 東京.

1968 (昭和43年)

Katô, K. Platyhelminthes. In: M. Kume & K. Dan (eds.), Invertebrate Embryology, pp. 125-143 (trans-
 lated by J. C. Dan). NOLIT Publ. House, Belgrade, Yugoslavia.
 Kikuchi, T. Faunal list of the *Zostera marina* belt in Tomioka Bay, Amakusa, Kyushu. Publ. Amakusa
 Mar. Biol. Lab., 1: 163-192.

1971 (昭和46年)

Okada, S., Igarashi, T. and Kobayashi, K. Invertebrates and fishes in Oshoro Bay and neighbouring area.

In: S. Motoda (ed.), Oshoro Marine Biological Station, Hokkaidô University, Japan. Bull. Plankton Soc. Japan, 18 (1): 32-94. (Jap.) 岡田 雋・五十嵐孝夫・小林喜雄. 忍路湾附近の無脊椎動物及び魚類. 元田 茂 編, 北海道大学忍路臨海実験所. 日本プランクトン学会報, 18巻, 1号, 32-94頁.

1974 (昭和49年)

Yang, Han-Choon. Spawning and larval developments of two species of polyclad worms *Stylochus ijimai* Yeri & Kaburaki and *Pseudostylochus obscurus* (Stimpson). Bull. Korean Fish. Soc., 7: 7-14. (In Korean with Eng. summ.)

1975 (昭和50年)

Nimura, F. [Notes on *Phagocata kawakatsui* collected from Matsuhira, Nagano Prefecture, Honshû]. Shinanoji (Shinano Seibutsu-kai Kaihō), No. 30: 15-17. (Jap.) 新村文男. 長野市松代産コガタウズムシについて. 信濃路 (信濃生物会会報), 30号, 15-17頁.

1979 (昭和54年)

Yoshida, M. Extraocular photoreception. In: H. Autrum (ed.), Handbook of Sensory Physiology, vol. VII, 6A. Comparative Physiology and Evolution of Invertebrate Photoreceptors, pp. 581-640. Springer-Verlag, New York, N. Y.

1982 (昭和57年)

Hasegawa, J., Yasuno, M., Saitō, K., Nakamura, Y., Hatakeyama, S. and Satō, H. Impact of temphos and fenitrothion on aquatic invertebrates in a stream of Mt. Tsukuba. Jap. Jour. Sanit. Zool., 33: 363-368. (Jap.) 和文標題: 長谷川淳一・安野正之・畠山成久・斎藤一三・中村 護・佐藤英毅. テメフォスおよびフェニトロチオンの溪流底生生物に対する影響.

1983 (昭和58年)

Ozaki, K., Hara, R. and Hara, T. Histochemical localization of retinochrome and rhodopsin studies by fluorescence microscopy. Cell. Tissue Res., 233: 335-345.

1984 (昭和59年)

Best, J. B. and Morita, M. Nature of cohort interaction in social control of fissioning in planaria: Surrogate studies. Amer. Zoologist, 24: 155 A.

Hall, F. L., Morita, M. and Best, J. B. Tumorigenic response of planarians to mammalian cocarcinogens. Amer. Zoologist, 24: 94 A.

Kobayashi, H., Takeda, N. and Owada, K. Topics in comparative endocrinology. Clinical Endocrinology, 33, Supplement (Naibunpi, Daisha-gaku-no-Shimpo, '84): 162-170. (Jap.) 小林英司・武田直邦・大和田恭子. 比較内分泌一下等動物の新しいペプチドホルモン. ホルモンと臨床, 33巻, 増刊, 内分泌・代謝学の進歩 '84, 162-170頁.

Ogren, R. E. Exotic land planarians of the genus *Bipalium* (Platyhelminthes: Turbellaria) from Pennsylvania and the Academy of Natural Sciences, Philadelphia. Proc. Penn. Acad. Sci., 58: 193-201.

Porfirjeva, N. A. and Timoshkin, O. A. K faune planarii (Tricladida, Paludicola) Sikhote-Alinia (К фауне планарий (Tricladida, Paludicola) Сихотэ-Алиня)). Biologiya Presnykh vod Dal'nego Vostoka — Sieornik Nauchnykh Trudov (Виология Пресных Вод Дальнего Востока Сборник Научных Трудов). Akademii Nauk SSSR, Dal'nevostochnyi Nauchnyi Tsent, Biologo-pochvennyi Institut (Академия Наук СССР, Дальневосточный Научный Центр-Виолого-Почвенный Институт),

1985 (昭和60年)

- Aikawa, M. and Shimozawa, A. The relation between the eye number and the body size, and between the eye number and the age in *Polycelis sapporo*. Programme of the 56th Ann. Meet. of the Zool. Soc. of Japan held in Tôkyô, on October 10 ~ 12, 1985, p. 77. (Jap.) 相川満寿夫・下澤淳海. キタシロカズメウズムシの産卵と孵化および子虫の眼点数と体長・体幅・エイジとの関係. 日本動物学会第56回大会(東京, 昭和60年10月10~12日) 予稿集, 77頁. English abstract of this lecture is printed in Zool. Sci., 2: 993.
- Asai, E. Formation of canal system in planarian pharynx regeneration. Programme of the 56th Ann. Meet. of the Zool. Soc. of Japan held in Tôkyô, on October 10 ~ 12, 1985, p. 54. (Jap.) 朝井悦夫. プラナリアの咽頭再生における腔系の形成機構について. 日本動物学会第56回大会(東京, 昭和60年10月10~12日) 予稿集, 54頁. English abstract of this lecture is printed in Zool. Sci., 2: 932.
- Asai, E. and Kishida, Y. Induction of pharynx by nerve-cordless prepharyngeal tissue graft in planaria. Zool. Sci., 2: 505–512.
- Asai, E. and Kishida, Y. Induction of pharynx by nerve-cordless prepharyngeal tissue graft in planaria. Biol. Sci. News, No. 165: 19 (z–44). (Jap.) This is a Japanese abstract of the paper published in 1985. …… Kawakatsu. 朝井悦夫・岸田嘉一. プラナリア神経索除去移植片による咽頭誘導. 生物科学ニュース, 165号(8月号), 19頁(z–44). 前記論文の和文抄録.
- Gunji, S. [Planarians]. In: M. Numata & M. Ôno (eds.), Bôsô-nô-Seibutsu (The Natural History of the Bôsô Peninsula), p. 250. The Editorial Board of the “Bôsô-no-Seibutsu”. Kawade-Shobô Shinsha, Tôkyô. (Jap.) 郡司節郎. プラナリア. 沼田 真・大野正男 監修, 「房總の生物」編集委員会 編, 房總の生物, 250頁. 河出書房新社, 東京.
- Hagiya, M. [Some experiments on planarians as a teaching material]. Kanagawa-ken Seibutsu-kyôiku Kenkyû-kai / Nihon Seibutsu-kyôiku Gakkai, Kanagawa Shibu, Kaihō, 3: 13–17. (Jap.) 萩谷盛雄. プラナリアの教材化. 神奈川県生物教育研究会・日本生物教育学会神奈川支部 会報, 3巻, 13–17頁.
- Hagiya, M. Chromosomal variation of a freshwater planarian, *Dugesia japonica japonica*, from the Minoge locality in the Tanzawa mountainous district, Kanagawa Prefecture, Honshû, Japan. Collect. & Breed., 47: 397–399. (Jap.) 萩谷盛雄. 丹澤山地蓑毛産のナミウズムシの染色体変異. 採集と飼育, 47巻, 397–399頁.
- Hagiya, M. [Animals and plants used for biology experiments in my high school]. Kanagawa-kenritsu Ayase High School, Seibutsu-bu Zasshi, No. 1: 33–37. (Jap.; Mimeographic print). 萩谷盛雄. 綾高の土に眠った生物たち. 神奈川県立綾瀬高等学校 生物部雑誌, 創刊号, 33–37頁. 騰写刷.
- Hara, M., Yoshida, H., Higaki, M. and Hiyakawa, M. [Reexamination of a simple survey method of water-quality by aquatic organisms]. Biologia Fukuokana (Seibutsu-Fukuoka), No. 25: 1–8. (Jap.) 原 誠・吉田博一・檜垣正浩・冷川昌彦. 水生生物による河川の水質判定簡便法の検討. 生物福岡, 25号, 1–8頁.
- Hori, H., Lim, B.-L., Ohama, T., Kumazaki, T. and Osawa, S. Evolution of organisms deduced from 5S rRNA sequences. In: T. Ohata & K. Aoki (eds), Population Genetics and Molecular Evolution (1985), pp. 369–384. Japan Scientific Society Press, Tôkyô / Springer-Verlag, Berlin.
- Hori, I. A fine structural analysis of the planarian septate junction using ruthenium red staining. Jour. Electron Microsc., 34: 422–426.
- Hori, I. Further observations on the fine structure of intact and regenerating gastrodermis of the planarian

- Dugesia japonica* (Turbellaria). Jour. Submicrosc. Cytol., 17: 569–581.
- Hori, I. Surface specializations of planarian gastrodermal cells as revealed by staining with ruthenium red. Programme of the 56th Ann. Meet. of the Zool. Soc. of Japan held in Tôkyô, on October 10 ~ 12, 1986, p. 126. (Jap.) 堀 功. ルテニウム赤染色によるプラナリア腸管細胞の表面分化の観察. 日本動物学会第 56 回大会 (東京, 昭和60年10月10~12日) 予稿集, 126頁. English abstract of this lecture is printed in Zool. Sci., 2: 899.
- Ishida, S. and Teshirogi, W. Comparison of external morphology of spermatozoa among freshwater planarian species. Programme of the 56th Ann. Meet. of the Zool. Soc. of Japan held in Tôkyô, on October 10 ~ 12, 1986, p. 76. (Jap.) 石田幸子・手代木 渉. 淡水棲プラナリア精子の種による外部形態の比較. 日本動物学会第 56 回大会 (東京, 昭和60年10月10~12日) 予稿集, 76頁. English abstract of this lecture is printed in Zool. Sci., 2: 1004.
- Ishii, S. Cell renewal in the planarian epidermis. Programme of the 56th Ann. Meet. of the Zool. Soc. of Japan held in Tôkyô, on October 10 ~ 12, 1986, p. 54. (Jap.) 石井三郎. プラナリア表皮の細胞再生系. 日本動物学会第 56 回大会 (東京, 昭和60年10月10~12日) 予稿集, 54頁. English abstract of this lecture is printed in Zool. Sci., 2: 931.
- Ishii, S. and Sakurai, T. [Electronmicroscopic observation of parenchymal cells in freshwater planarians]. A title of a lecture given at the Meeting of the Biology of Planarians held in Tôkyô, on October 10, 1985. Programme of the 56th Ann. Meet. of the Zool. Soc. of Japan held in Tôkyô, on October 10 ~ 12, 1985, p. 4. (Jap.; by title only). 石井三郎・櫻井隆繁. 電顕で見た淡水産プラナリアの間充織について. 日本動物学会第 56 回大会 (東京, 昭和60年10月10~12日) 予稿集, 「プラナリアの生物学談話会」(東京, 昭和60年10月10日) の演題, 4 頁. 標題だけ.
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- Kawakatsu, M. What is planarian? Planarian regeneration: Morgan's theory and Child's physiological Gradient theory. Occ. Publ., Biol. Lab., Fuji Women's College, Sapporo (Hokkaidô), Japan, No. 13: 1–24.
- Kawakatsu, M. [Notes on the planarian fauna of the Tôhoku Region, Japan: Its present status of taxonomic and chorological studies]. Tôhoku-no-Shizen, No. 10: 3–7. (Jap.) 川勝正治. 東北地方のプラナリア類—その分類と分布学研究の現状—. 東北の自然, 10号 (昭和60年10月号), 3–7 頁.
- Kawakatsu, M. A list of publications on Japanese Turbellarians (1984)…… Including titles of publications on foreign Turbellarians written by the Japanese authors……. Bull. Fuji Women's College, No. 23, Ser. II: 67–84. (Both in Eng. and Jap.) 川勝正治. 日本産渦虫類文献目録 (1984) —外国産渦虫類に関する邦人著作を含む—. 藤女子大学・藤女子短期大学紀要, 23号, II 部, 67–84頁.
- Kawakatsu, M. A note on the morphology of *Bipalium kewense* Moseley, 1878, and *Bipalium adventitium* Hyman, 1943 (Turbellaria, Tricladida, Terricola). Bull. Fuji Women's College, No. 23, Ser. II: 85–100. 和文標題: 川勝正治. アメリカ国立自然科学博物館所蔵の外国産コウガイビル (陸棲三岐腸類) 2 種の形態.
- Kawakatsu, M., Hauser, J. and Friedrich, S. M. G. Morphological, karyological and taxonomic studies of freshwater planarians from South Brazil. VII. Supplemenary notes on *Dugesia schubarti* (Marcus, 1946) from the vicinity of São Leopoldo, Estado de Rio Grande do Sul (Turbellaria, Tricladida, Paludicolâ).

- Bull. Fuji Women's College, No. 23, Ser. II: 101-109. 和文標題：川勝正治・ジョセフ ハウザー神父・シルライ M.G. フリードリッヒ. ブラジル産淡水棲三岐腸類の形態学的・核学的・分類学的研究. VII. リオ グランデ・ド・スル州サンレオポルド市近郊産の *Dugesia schubarti* (補遺).
- Kawakatsu, M., Lue, K.-Y., Takai, M., Hori, H., Muto, A. and Osawa, S. A new series of studies on the freshwater and land planarians from Taiwan. I. An additional list of localities (1980-1984). Bull. Fuji Women's College, No. 23, Ser. II: 111-125. 和文標題：川勝正治・呂 光洋・高井成幸・堀 寛・武藤 昱・大澤省三. 台湾産淡水棲三岐腸類と陸棲三岐腸類の研究. I. 1980-1984 年の採集資料 (承前).
- Kawakatsu, M., Oki, I., Tamura, S., Lue, K.-Y., Takai, M., Hori, H., Muto, A. and Osawa, S. Karyological and taxonomic studies of the *Dugesia* species in Southeast Asia. IX. *Dugesia japonica japonica* from Taiwan. Programme of the Ann. Meet. of the Zool. Soc. of Japan held in Tôkyô, on October 10 ~ 12, 1985, p. 76. (Jap.) 川勝正治・沖 岩四郎・田村幸子・呂 光洋・高井成幸・堀 寛・武藤 昱・大澤省三. 東南アジアの *Dugesia* 属 (淡水棲三岐腸類) の染色体と分類. IX. 台湾産のナミウズムシ. 日本動物学会第 56 回大会 (東京, 昭和60年10月10-12日) 予稿集, 76頁. English abstract of this lecture is printed in Zool. Sci., 2: 1004.
- Kawakatsu, M., Oki, I., Tamura, S. and Yamayoshi, T. Reexamination of freshwater planarians found in tanks of tropical fishes in Japan, with a description of a new species, *Dugesia austroasiatica* sp. nov. (Turbellaria; Tricladida; Paludicola). Bull. Biogeogr. Soc. Japan, 40 (1): 1-19. 和文標題. 川勝正治・沖 岩四郎・田村幸子・山吉孝雄. 日本の熱帯魚水槽に出現した淡水棲三岐腸類の再検討; および 1 新種の記載.
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Correction. In my three previous publications in this series (Bull. Fuji Women's College, Nos. 21-23, Ser. II, 1983-1985), a confusion was found about the years of the Ann. Meet. of the Zool. Soc. of Japan. The corrections are as follows: the 53rd Meeting at Ōsaka in 1982; the 54th Meeting at Matsuyama in 1983; the 55th Meeting at Morioka in 1984.

AN ADDITIONAL LIST OF SCHOLARS ON TURBELLARIANS

AUSTRIA (ÖSTERREICH)

Dr. PETER, Roland: Universität Salzburg, Abt. Genetik und Entwicklungsbiologie, Hellbrunnerstraße 34, A-5020 Salzburg. (New address.)

FEDERAL REPUBLIC OF GERMANY (BUNDESREPUBLIK DEUTSCHLAND)

Dr. FAUBEL, Anno : Institut für Hydrobiologie und Fischereiwissenschaft, Zeiseweg 9, D-2000 Hamburg 50. (New address.)

THE NETHERLANDS (HOLLAND)

Dr. DE VRIES, Elizabeth J. : Instituut voor Taxonomische Zoölogie, Zoölogisch Museum, Universiteit van Amsterdam, Postbus 20215-1000 HC, Amsterdam. Taxonomy and karyology of freshwater planarians.

Dr. SLUYS, Ronald : Instituut voor Taxonomische Zoölogie, Zoölogisch Museum, Universiteit van Amsterdam, Postbus 20215-111 HC, Amsterdam. Taxonomy and karyology of marine, freshwater and land planarians.

U. S. A.

Dr. SMITH III, Julian P. S. : Biology Department, The University of North Carolina at Charlotte, UNCC Station, Charlotte, North Carolina 28223. (New address.)

U. S. S. R. (CCCP)

Dr. IOFFE, B. I. (ИОФФЕ, Б. И.) : Zoological Institute, Academy of Sciences, Leningrad, 199164. Taxonomy of Temnocephalids.

PART II

TWO UNPUBLISHED GRADUATION THESES ON FRESHWATER PLANARIANS

The author has copies of two unpublished graduation theses on freshwater planarians in his collection of literature. The purpose of the present note in this section is to introduce contents of these manuscripts because they have the historical importance in our turbellarian studies.

- 1) IWAMA, H. : Preliminary notes on fresh-water Triclad from Northern Japan. 18pp. In English. 1933.

This manuscript was submitted in fulfillment of the requirements for the B. Sc. degree at Hokkaidō Imperial University (now Hokkaidō University), under the guidance of Prof. Dr. Tohru UCHIDA (Prof. Emeritus of the University; he passed away in 1981), Zoological Institute, Faculty of Sciences. The original manuscript is now retained in KAWAKATSU's collection by the courtesy of Dr. Atsuhiko ICHIKAWA, Professor Emeritus of Hokkaidō University.

Descriptions of 4 new species (2 of Dendrocoelidae and 2 of Planariidae) were given in Mr. IWAMA's manuscript. Among these species, 3 of them were collected from Hokkaidō; the remaining one dendrocoelid species was collected from the western part of Saghalien. Although he gave a rather detailed description with schematic figures of the external appearance and copulatory apparatus of each species, the reidentification of his 4 new species has been impossible due to the scanty taxonomic characters. It is highly probable that one of his new species seems to be *Dendrocoelopsis ezensis* ICHIKAWA et OKUGAWA, 1958.

Phagocata iwamai ICHIKAWA et KAWAKATSU, 1962, from Hokkaidō, was given the name in honor of Mr. Haruo IWAMA.

- 2) KOZAKAI, M.: Chromosomal variation in a regenerating process of a freshwater planaria, *Dugesia* (or *Planaria*) *gonocephala*. 24 pp. In Japanese with English summary (the English title is given by KAWAKATSU). 1955.

This manuscript was submitted in fulfillment of the requirements for the B. Educ. degree at Nigata University, under the guidance of Prof. Dr. Kôji YANO and Prof. Dr. Teisuke SÔMA (now Prof. Emeritus of the University), Faculty of Education. A xerox copy of Mr. KOZAKAI's manuscript was sent to KAWAKATSU recently by the courtesy of Dr. T. SÔMA and Mr. Hitoshi MURAYAMA.

Mr. KOZAKAI used animals collected from 2 localities in Nigata Prefecture for his experiments at that time; the species is now known as *Dugesia japonica japonica* ICHIKAWA et KAWAKATSU, 1964. Idiograms and several photomicrographs of the chromosomes are included in his manuscript. He observed somatic cells with chromosome numbers of 23, 24, 25, 48, etc. He described that cells with 24 chromosomes were dominant. Although Mr. KOZAKAI did not conclude the presence of the animals with the karyotype of $3x = 24$, he is undoubtedly the first person who observed the triploidic cells in *D. j. japonica*.

By the 1950's, the chromosome numbers of Japanese Turbellarians had not been studied yet except for fragmental data reported by the Prof. Dr. Sajirô MAKINO's (now Prof. Emeritus of the University) team of Hokkaidô University. Undoubtedly, Mr. KOZAKAI's 1955 manuscript should be recorded as one of the monumental works in our history of turbellarian studies. He is now the Principal of Higashi-honmachi Primary School, Jôetsu, Nigata Prefecture.

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